

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	1724	709/205.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/10 12:51
L7	643	713/163.ccls. 713/178.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/10 12:51
L8	151	network and before and prior and nodes and message and system and indicat\$5 and liveness and tim\$3	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:52
L9	0	I7 and L8	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:52
L10	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) same (status active) same timer same expir\$5 and I7	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:53
L11	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) same (status active) same timer same expir\$5	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:53
L12	1	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) same (status active)	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:53
L13	9	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4)	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:54
L14	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) and I7	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:54
L15	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) and 709/205.ccls.	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:59
L16	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) and 709/1.ccls.	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:59
L17	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) and 709/201.ccls.	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:59
L18	0	determin\$4 same broker same subscri\$5 same publish\$4 same (multicast\$4 multi\$1cast\$4) and 709/205.ccls.	US-PGPUB; USPAT	OR	OFF	2009/07/10 12:59
S4	21	("4486853" "5307347" "5450123" "5870605" "5873084" "5953051" "5974417" "6021443" "6154781" "6182143" "6202093" "6243749" "6298455" "6334151" "6336119" "6470325" "6643682" "6728715" "6826560" "7103680" "7152094").pn.	USPAT	OR	OFF	2007/11/21 09:51

# EAST Search History (Prior Art)

S5	29	"20020059204" "20030090998" "20030135556" "20040205439" "20040250060" "20040250283" "20040254993" "20050021843" "20050083940" "20050135260" "20050188039" "20050210109" "20050256901" "20050268146" "20060047666" "20060069587" "20060080596" "20060085507" "20060126621" "20060136256" "20060149719" "20060167897" "20060233322" "20060277280" "20070016910" "20070043824" "20070067389" "20070067409" "20070088711"	US-PGPUB; USPAT	OR	OFF	2007/05/17 10:28
S6	1	"7158625".pn.	US-PGPUB; USPAT	OR	OFF	2007/05/15 14:01
S7	21	("4486853" "5307347" "5450123" "5870605" "5873084" "5953051" "5974417" "6021443" "6154781" "6182143" "6202093" "6243749" "6298455" "6334151" "6336119" "6470325" "6643682" "6728715" "6826560" "7103680" "7152094").pn.	USPAT	OR	OFF	2007/05/17 08:21
S8	29	"20020059204" "20030090998" "20030135556" "20040205439" "20040250060" "20040250283" "20040254993" "20050021843" "20050083940" "20050135260" "20050188039" "20050210109" "20050256901" "20050268146" "20060047666" "20060069587" "20060080596" "20060085507" "20060126621" "20060136256" "20060149719" "20060167897" "20060233322" "20060277280" "20070016910" "20070043824" "20070067389" "20070067409" "20070088711"	US-PGPUB; USPAT	OR	OFF	2007/05/17 08:21
S12	10	network and before and prior and publish\$3 and subscrib\$4 and message and system and indicat\$5 and liveness and tim\$3	USPAT	OR	OFF	2007/05/17 08:24
S13	0	(network and before and prior and publish\$3 and subscrib\$4 and message and system and indicat\$5 and liveness and tim\$3).clm.	USPAT	OR	OFF	2007/05/21 08:24
S16	7	S7 and status	US-PGPUB; USPAT	OR	OFF	2007/05/17 10:29
S17	6	S16 and active	US-PGPUB; USPAT	OR	OFF	2007/05/17 10:37
S18	11	S8 and status	US-PGPUB; USPAT	OR	OFF	2007/05/17 10:37

## EAST Search History (Prior Art)

S19	6	S18 and active	US-PGPUB; USPAT	OR	OFF	2007/05/17 10:37
S20	10	network and before and prior and publish\$3 and subscrib\$4 and message and system and indicat\$5 and liveness and tim\$3	USPAT	OR	OFF	2007/05/17 14:18
S21	10	S20 and least	USPAT	OR	OFF	2007/05/17 14:18
S22	12	"6336119"	USPAT	OR	OFF	2007/05/21 07:59
S23	71	"6336119" "6154781" "5870605"	USPAT	OR	OFF	2007/05/21 07:59
S24	18	"6336119" "6154781" "5870605".pn.	USPAT	OR	OFF	2007/05/21 07:59
S25	3	("6336119" "6154781" "5870605").pn.	USPAT	OR	OFF	2007/05/21 08:00
S26	1	"20020059204"	US-PGPUB; USPAT	OR	OFF	2007/05/21 08:00
S29	95	network and before and prior and nodes and message and system and indicat\$5 and liveness and tim\$3	US-PGPUB; USPAT	OR	OFF	2007/05/21 08:25
S30	62	S29 and status	US-PGPUB; USPAT	OR	OFF	2007/05/21 08:26
S31	730	709/205.ccls.	USPAT	OR	OFF	2007/10/30 16:50
S32	17	S31 and (subscri\$4 near\$5 publish\$4)	USPAT	OR	OFF	2007/10/30 16:57
S33	17	S32 and indica\$4	USPAT	OR	OFF	2007/10/30 16:56
S34	0	S33 and liveness\$4	USPAT	OR	OFF	2007/10/30 16:52
S35	8	S33 and live\$5	USPAT	OR	OFF	2007/10/30 16:52
S36	1	S35 and timer	USPAT	OR	OFF	2007/10/30 16:52
S37	6	S31 and (subscri\$4 near\$5 publish\$4) and statu\$4 and live\$5	USPAT	OR	OFF	2007/10/30 17:01
S38	40	timer and (subscri\$4 near\$5 publish\$4) and statu\$4 and live\$5	USPAT	OR	OFF	2007/11/01 08:12
S39	81	statu\$4 near\$5 indicat\$4 and time\$4 and expire\$4 and subscrib\$4 and broker\$2 and respon\$4	USPAT	OR	OFF	2007/10/31 17:33
S40	27002	"81" and cancel\$4	USPAT	OR	OFF	2007/10/31 17:34
S41	49	S39 and cancel\$4	USPAT	OR	OFF	2007/10/31 17:34
S42	3	topic\$2 and publish\$4 and subscrib\$4 and (respon\$4 same time\$4) and (expir\$4 same cancel\$4)	USPAT	OR	OFF	2007/11/01 08:19
S43	82	publish\$4 and subscrib\$4 and (respon\$4 same time\$4) and (expir\$4 same cancel\$4)	USPAT	OR	OFF	2007/11/07 10:53
S44	1	"6937597".pn.	USPAT	OR	OFF	2007/11/05 10:24
S45	39	serve\$4 and clien\$4 and ((respon\$4 same time\$4) same (expir\$4 same cancel\$4))	USPAT	OR	OFF	2007/11/07 14:38
S46	2	"6983326"	USPAT	OR	OFF	2007/11/07 16:16
S47	1	"6594787".pn.	USPAT	OR	OFF	2007/11/07 16:16

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S48	23	((publish\$4 server\$4) near4 (subscri\$4 client\$2)) and ((indic\$4 status\$2 ) near6 live\$4) and multicass\$4 and (expir\$4 near5 time\$4)	USPAT	OR	OFF	2007/11/16 19:09
S49	32	((publish\$4 server\$4) near4 (subscri\$4 client\$2)) and ((respon\$4 status\$2 adverti\$6) near6 live\$4) and multicass\$4 and (expir\$4 near5 time\$4)	USPAT	OR	OFF	2007/11/19 09:34
S50	4	(node\$2 peer\$2 client@2 gateway\$2 station\$2 computer\$2) and (monitor\$4 statu\$2 live\$4) and (respon\$4 near5(cancel\$3 near2 time\$2)) and broker\$2	USPAT	OR	OFF	2007/11/19 09:55
S52	55	(node\$2 peer\$2 client@2 gateway\$2 station\$2 computer\$2) and (monitor\$4 statu\$2 live\$4) and (respon\$4 near5(cancel\$3 near2 time\$2)) and server\$2	USPAT	OR	OFF	2007/11/19 09:55
S53	88	(node\$2 peer\$2 client@2 gateway\$2 station\$2 computer\$2) and (monitor\$4 statu\$2 live\$4) and (respon\$4 near5(cancel\$3 near2 time\$2))	USPAT	OR	OFF	2007/11/20 13:38
S54	1	"6937597".pn.	USPAT	OR	OFF	2007/11/20 14:05
S55	1	"7065066".pn.	USPAT	OR	OFF	2007/11/20 14:05
S56	1	("6269080").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/21 11:22
S57	873	(period\$4 near5 indicat\$4) same (live\$4 status\$2) and time\$2 and (subsc\$5 client\$2)	US-PGPUB; USPAT	OR	OFF	2007/11/21 11:24
S58	510	S57 and @ad< "20030728"	US-PGPUB; USPAT	OR	OFF	2007/11/21 11:25
S59	361	S58 and (broke\$3 server\$2)	US-PGPUB; USPAT	OR	OFF	2007/11/21 11:26
S60	31	S59 and (multicast unicast)	US-PGPUB; USPAT	OR	OFF	2007/11/21 15:44
S61	0	2004/0161257	US-PGPUB; USPAT	OR	OFF	2007/11/21 15:44
S62	1	"20040161257"	US-PGPUB; USPAT	OR	OFF	2007/11/21 16:45
S63	1	"6937597".pn.	US-PGPUB; USPAT	OR	OFF	2007/11/21 16:48
S64	26	(client subscrib\$4) same liveness same indicat\$4	US-PGPUB; USPAT	OR	OFF	2009/02/18 11:48
S65	20	S64 and @ad< "20060729"	US-PGPUB; USPAT	OR	OFF	2009/02/18 11:49
S66	9	S64 and @ad< "20030729"	US-PGPUB; USPAT	OR	OFF	2009/02/18 11:50

## EAST Search History (Prior Art)

S67	3	"2003013349"	US-PGPUB; USPAT; DERWENT	OR	OFF	2009/02/19 11:51
S68	4037	designat\$4 same primary same (subscri\$3 client node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/19 13:50
S69	793	designat\$4 with primary with (subscri\$3 client node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/19 13:50
S70	1407	(assign\$4 designat\$4) with primary with (subscri\$3 client node)	US-PGPUB; USPAT; FPRS; JPO	OR	OFF	2009/02/19 13:50
S71	1396	(assign\$4 designat\$4) with primary with (subscri\$3 client node)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S72	692	(designat\$4) with primary with (subscri\$3 client node)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S73	529	(designat\$4) with primary with (subscri\$3 node)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S74	218	(designat\$4) with primary adj3 (subscri\$3 node)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S75	177	(designat\$4) with primary adj2 (subscri\$3 node)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S76	102	(designat\$4) adj2 primary adj2 (subscri\$3 node)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S77	97	S76 and @ad< "20060729"	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:51
S78	2	S77 and liveness	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:52
S79	59	S76 and @ad< "20030729"	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:52
S80	2	S76 and liveness	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:52
S81	2	S69 and liveness	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:52
S82	2	S69 and liveness	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/19 13:58

## EAST Search History (Prior Art)

S83	787	S70 and @ad< "20030729"	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:59
S84	2	S83 and liveness	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:59
S85	439	S83 and status	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:59
S86	10	S83 and (active adj status)	US-PGPUB; USPAT	OR	OFF	2009/02/19 13:59
S87	389	(designat\$4) with primary with node	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:11
S88	389	S87 and @ad< "20030605"	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:12
S89	215	S87 and @ad< "20030605"	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:12
S90	158	(designat\$4) with primary adj2 node	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:12
S91	91	S90 and @ad< "20030605"	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:12
S92	0	S91 and liveness	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:14
S93	0	S91 and (active adj status)	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:14
S94	1	S91 and (active adj2 status)	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:14
S95	60	S91 and (status)	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:19
S96	11	(designat\$4) with primary adj2 node same status	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:19
S97	4	S96 and @ad< "20030605"	US-PGPUB; USPAT	OR	OFF	2009/02/19 14:19
S98	61	(assign\$4 designat\$4) with primary with (subscri\$3 node) with (health indicat\$4)	US-PGPUB; USPAT; FPRS; JPO	OR	OFF	2009/02/19 14:44
S99	31	S98 and @ad< "20030605"	US-PGPUB; USPAT; FPRS; JPO	OR	OFF	2009/02/19 14:45